



PORSE
11.3.125.1
05/01/86

Flammability Rating

Health Rating

Reactivity Rating

0

1

0

0

HAZARD RATING
Please refer to NFPA code

MATERIAL SAFETY DATA SHEET

SECTION I NAME AND PRODUCT

MANUFACTURER'S NAME
NORTON COMPANY

CONTACT
SAFETY DEPT.

ADDRESS (STREET, CITY, STATE AND ZIP CODE)
P.O. BOX 808, TROY, NY 12180

EMERGENCY TELEPHONE NO.
518-273-0100

TRADE NAME, COMMON NAME OR SPECIFICATION
COATED ABRASIVE PRODUCT - NorZon R824

APPROVED BY J.J. McG
DATE 5-1-86

CHEMICAL FAMILY OR PRODUCT TYPE Alumina-Zirconia Oxide & Resin Binder

SECTION II COMPOSITION

| CHEMICAL NAME | % | COMMON NAME | REG.* (Y/N) | CAS # | OSHA PERMISSIVE EXPOSURE LIMIT | ACGIH TLV ³ | CARCIN- OGEN* (Y/N) |
|---|----|---------------|----------------|-----------|--------------------------------------|-------------------------------|---------------------------|
| Aluminum Oxide (Al ₂ O ₃) | 60 | Alpha Alumina | Y | 1349-28-1 | 15mg/M ³ (Total Dust) | 10mg/M ³ | N |
| Zirconia Oxide (ZrO ₂) | 40 | Zirconia | Y | 1314-23-4 | 5mg/M ³ (As Zr) | 5mg/M ³ (As Zr) | N |
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* Materials are regulated by OSHA 29 CFR 1910.1200, Hazard Communication Standard, and/or the Massachusetts General Law Chapter 111F, Right To Know Regulations

SECTION III PHYSICAL AND CHEMICAL DATA

| | | | | | |
|-----------------------------|-----|-------------------------|-------------------------------------|-----------------------|-----|
| BOILING POINT | N/A | MELTING POINT | N/A | SPECIFIC GRAVITY | N/A |
| VAPOR PRESSURE | N/A | PERCENT VOLATILE BY VOL | N/A | VAPOR DENSITY | N/A |
| EVAPORATION RATE | N/A | SOLUBILITY IN WATER | N/A | SOLUBILITY IN ALCOHOL | N/A |
| SOLUBILITY IN OTHER SOLVENT | N/A | APPEARANCE AND ODOR | Cloth Coated with Abrasive Material | | |

SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | | | | | |
|----------------------------------|---|---------------|-----|----------------------|-----|-----|-----|
| FLASH POINT | N/A | (METHOD USED) | N/A | FLAMMABLE LIMITS LEL | N/A | UEL | N/A |
| EXTINGUISHING MEDIA | N/A | | | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES | Backings & Resin Binder will burn or decompose, use respiratory | | | | | | |
| EXPLOSION POTENTIAL | N/A | protection | | | | | |

SECTION V HEALTH, FIRST AID AND MEDICAL DATA

| PRIMARY ROUTE(S) OF ENTRY | ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE | FIRST AID AND MEDICAL INFORMATION |
|---------------------------------|--|---|
| INHALATION (During Use) | Acute -May cause coughing, shortness (Dust) of breath Chronic -May effect breathing capacity (Dust) | Remove to fresh air apply arti- ficial respiration as needed.Obtain First Aid or Medical assistance |
| INGESTION | No known adverse effects, but ingestion not recommended | Obtain First Aid or Medical assistance, if needed |
| SKIN CONTACT & ABSORPTION | Not absorbed through skin; may cause abrasions | Obtain First Aid or Medical assistance, if needed |
| EYE | Dust may irritate eyes | Wash with large amounts of water Obtain First Aid or Medical assistance, if needed |
| OTHER POTENTIAL HEALTH RISKS | During use on some materials elevated sound levels may be created which affect hearing | Obtain Medical assistance |

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| SECTION VI CORROSIVITY AND REACTIVITY DATA | | |
|---|---|--|
| STABILITY UNSTABLE <input type="checkbox"/> STABLE <input checked="" type="checkbox"/> | POLYMERIZATION MAY OCCUR <input type="checkbox"/> WILL NOT OCCUR <input checked="" type="checkbox"/> | |
| INCOMPATIBILITY (MATERIALS TO AVOID) | | |
| N/A | | |
| DECOMPOSITION PRODUCTS | | |
| In use dust and decomposing resin system fumes are generated. In most cases, the material removed from the work piece will be significantly greater than the coated abrasive product components | | |
| CONDITIONS TO BE AVOIDED | | |
| N/A | | |

| SECTION VII STORAGE, HANDLING AND USE PROCEDURES | |
|--|---|
| NORMAL STORAGE AND HANDLING | Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Contaminates) |
| NORMAL USE | Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Contaminates), OSHA CFR1910.213(P) Sanding Machines and OSHA CFR1910.243(a) (3) Portable Belt Sanding Machines |
| STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS | Normal clean up procedures |
| WASTE DISPOSAL METHOD | Standard landfill methods consistent with applicable Federal, State & Local Laws |

| SECTION VIII PERSONAL PROTECTION INFORMATION | |
|--|---|
| RESPIRATORY PROTECTION (SPECIFY TYPE) | As needed, approved dust respirator OSHA 24 CFR1910-134 |
| VENTILATION | LOCAL Recommended |
| | MECHANICAL (GENERAL) Recommended |
| | OTHER NAIF |
| PROTECTIVE GLOVES | As desired by user |
| EYE PROTECTION | Recommend-OSHA 29CFR1910.133 (Face & Eye Protection) |
| OTHER EQUIPMENT | As needed, hearing protection-OSHA 29CFR1910.215 (Hearing Protection) |
| MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL | |
| See Sections VI, VII, VIII | |

| SECTION IX SPECIAL PRECAUTIONS | |
|---|---|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE | A Formaldehyde or Phenolic Resin odor from the binding system may on occasion be released during storage. |
| OTHER PRECAUTIONS | N/A |

| FOR COMPANY USE |
|---|
| The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, Norton Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof. |

** NAIF=NO APPLICABLE INFORMATION FOUND

*** N/A=NOT APPLICABLE

APPROVED BY 

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